



iSEE Collective Impact

informal Science Education Enhancement



STEM experiences

covered by iSEE : Archaeology, Astronomy, Biology, Botany, Chemistry, Climatology, Computer Science, Ecology, Engineering, Entomology, Environmental Science, Geology, Hydrology, Mathematics, Ornithology, Paleontology, Physics, and Technology



Statewide outreach programs

visit K-12 classrooms in public and charter schools in Utah. iSEE organizations offer a balanced schedule to ensure that all school districts receive services equitably.

Programs offered include:

Outreach into classrooms, on-site field trips, teacher professional development, on-line resources, STEM lessons, and teacher tool kits.

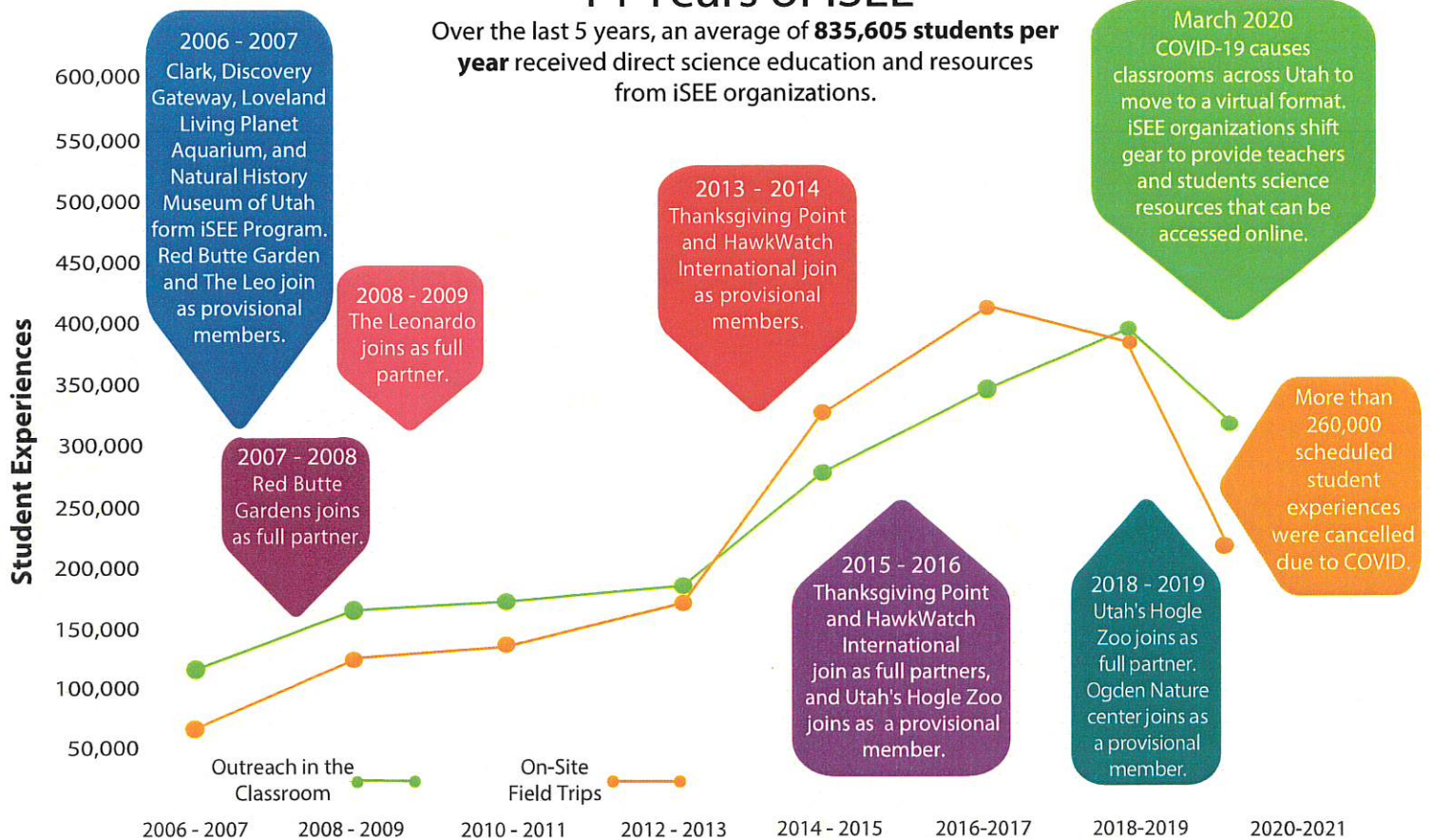
5.4 million student and teacher experiences provided by iSEE in the last 14 years. Programs increase student interest in STEM fields, support teachers to build STEM education capacity in classrooms, and foster a lifelong love of learning. iSEE provides unique opportunities not typically available in the classroom.

2019 - 2020 Funding

Organization	Funding	Match	Total
HawkWatch International	\$108,619	\$316,044	\$424,663
Ogden Nature Center (RFP)	\$224,465	\$239,607	\$464,072
Red Butte Garden	\$323,054	\$323,054	\$646,108
Utah's Hogle Zoo	\$350,000	\$369,885	\$719,885
The Leonardo	\$543,029	\$707,695	\$1,250,724
Discovery Gateway Children's Museum	\$649,778	\$654,294	\$1,304,072
Loveland Living Planet Aquarium	\$733,112	\$733,112	\$1,466,224
Natural History Museum of Utah	\$787,080	\$1,542,373	\$2,329,453
Thanksgiving Point	\$814,641	\$986,561	\$1,801,202
Clark Planetarium	\$955,689	\$1,010,049	\$1,965,738
TOTAL	\$5,489,467	\$6,882,674	\$12,372,141

14 Years of iSEE

Over the last 5 years, an average of **835,605 students per year** received direct science education and resources from iSEE organizations.



COVID-19 Program Modifications for the 2020-2021 School Year

Clark Planetarium - continued to offer in-person outreach to schools around the state (with limitations in districts that had high COVID case counts). Offered asynchronous, interactive, 360-degree YouTube versions of planetarium dome shows.

Discovery Gateway Children's Museum - offered interactive virtual versions of field trip workshops. Online workshops have allowed districts that are usually too far away to come on field trips to access Discovery's resources.

HawkWatch International - shared quality science education experiences with high school students around the state via a UEN distance learning system and interactive Nearpod content while offering new workshops to high school biology teachers and digital lesson plans on UEN.

Loveland Living Planet Aquarium - modified in-person outreach programs and offered new virtual outreach programs, workshops and lesson plans for teachers including online website activities and self-guided field trip activities.

Natural History Museum of Utah - ramped up online resources including virtual field trips, teacher workshops, Research Quest, live webinars with scientists, and activities for remote students. Teacher toolboxes were offered with enhanced cleaning measures.

Ogden Nature Center - provided virtual field trips, lesson plans and activities that can be completed at home or in the classroom; virtual visits where students interacted with a naturalist and animals, and in-person schoolyard visits.

Red Butte Garden - provided teachers and students with virtual programs, activities and supplemental online videos. Over 9,000 program supply boxes were given to teachers across Utah to help with classroom instruction.

Thanksgiving Point - expanded teacher workshops through the creation of lesson plans, video resources and webinars that support teachers through hybrid and virtual learning. Continued to offer outreach programs as an in-person visit adapted for safety.

The Leonardo - provided virtual field trips to classrooms offering science demonstrations as well as guided tours. Teachers received several days of lessons, and each participating student in Leonardo on Wheels received a Rube Goldberg machine materials kit.

Utah's Hogle Zoo - redeveloped our Habitat Investigations program to make it a fun, live, interactive experience online; moved our teacher workshops online; posted lesson plans and videos on UEN; and provided education kits to each district statewide.